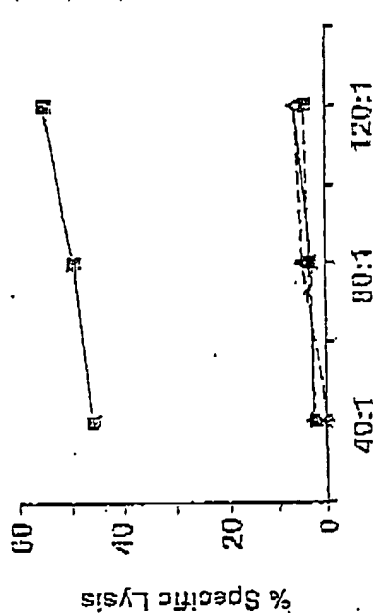


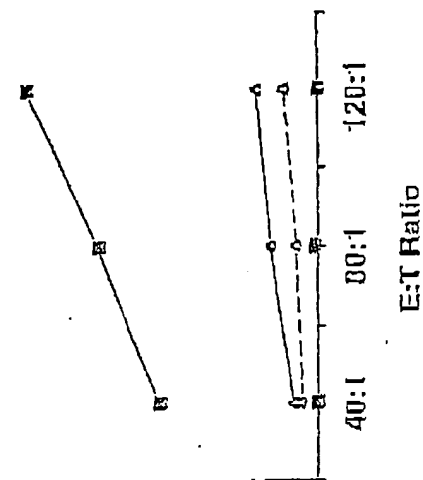
App No.: 09/761,534
 Title: In Vivo CTL Elicitation by Heat Shock Prot.
 Inventors: Qian Huang, et al.

Figure 1A

C57BL/6 (Wild Type)



CD4-/-



B2m-/-

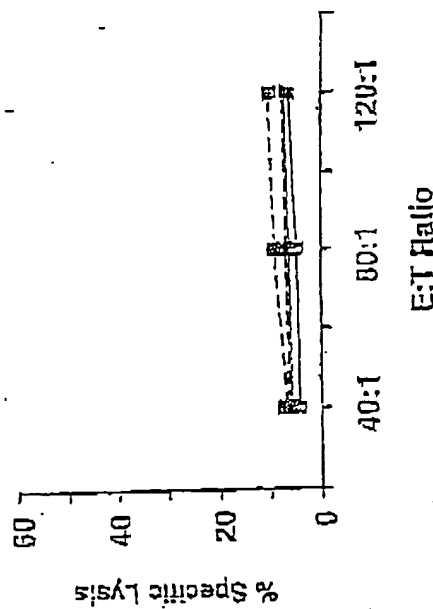


Figure 1C

Effector Cells elicited with:

■ OVA.TBhsp70
 △ OVA

Target Cells:

--- T2-Kb
 --- T2-Kb+SIINFEKL peptide (e.g., 1×10^{-7} M)

App No.: 09/761,534
Title: In Vivo CTL Elicitation by Heat Shock
Inventors: Qian Huang, *et al.*

Figure 2A

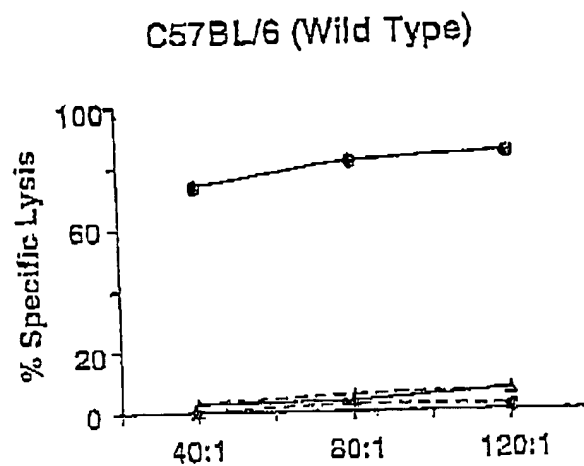
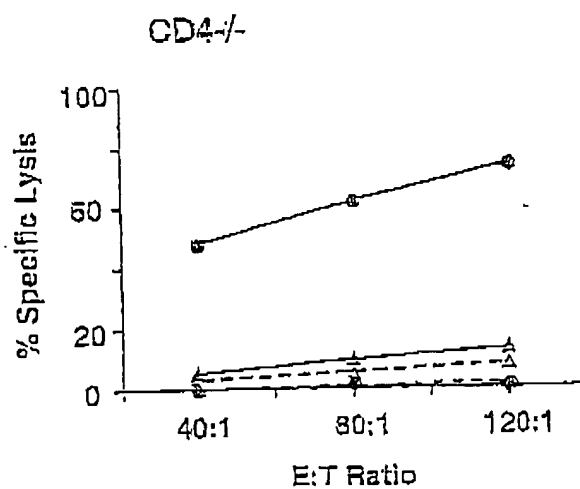


Figure 2B



Effector Cells

elicited with:

● OVA.mhsp70

△ OVA

Target Cells:

--- T2-K^b— T2-K^b+SIINFEKL

App No.: 09/761,534
Title: In Vivo CTL Elicitation by Heat Shock Protein
Inventors: Qian Huang, et al.

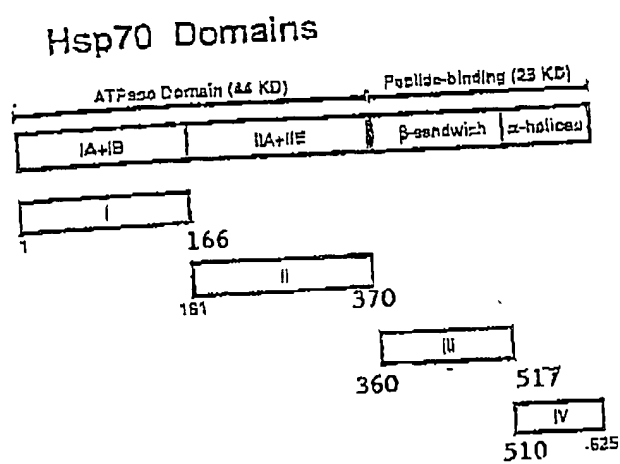


Figure 3

App No. 09/761,534
 Title: *In Vivo* CTL Elicitation by Heat Shock Protein.
 Inventors: Qian Huang, *et al.*

C57BL/6

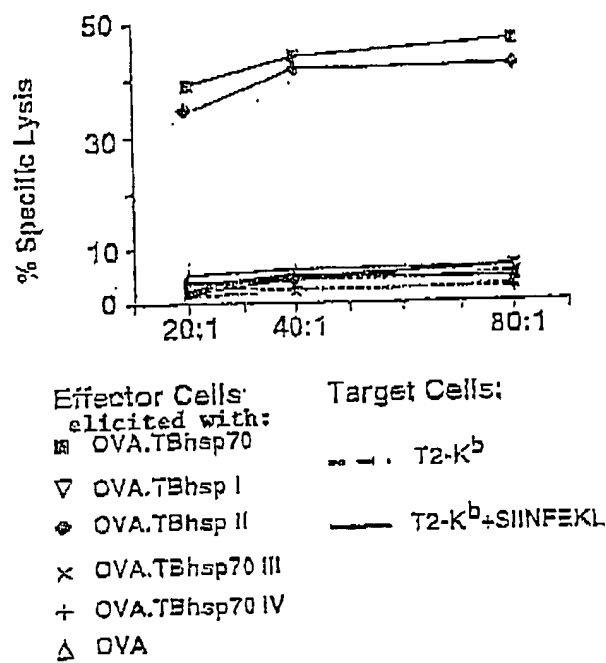


Figure 4

App No.: 09/761,534
Title: In Vivo CTL Elicitation by Heat Shock Protein.
Inventors: Qian Huang, *et al.*

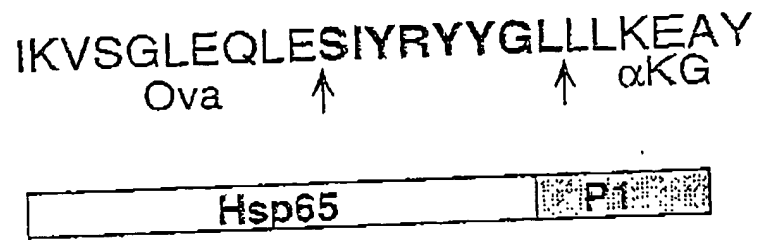


Figure 5A

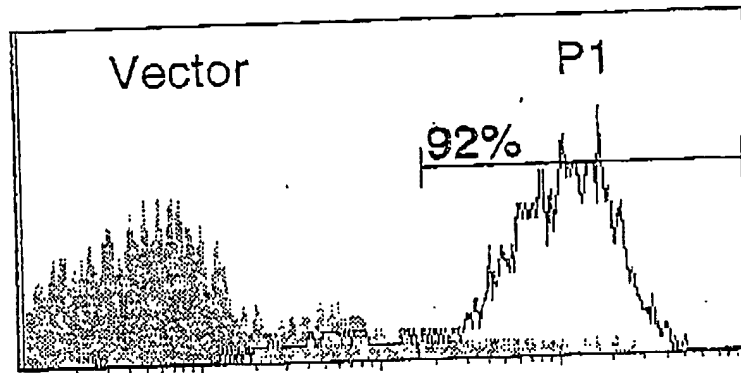


Figure 5B

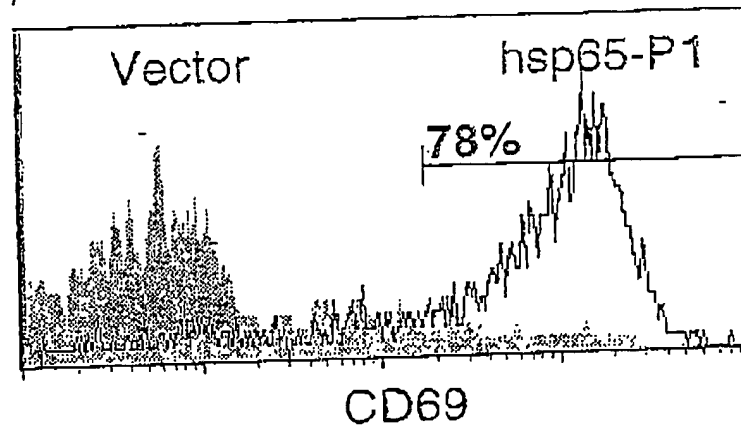
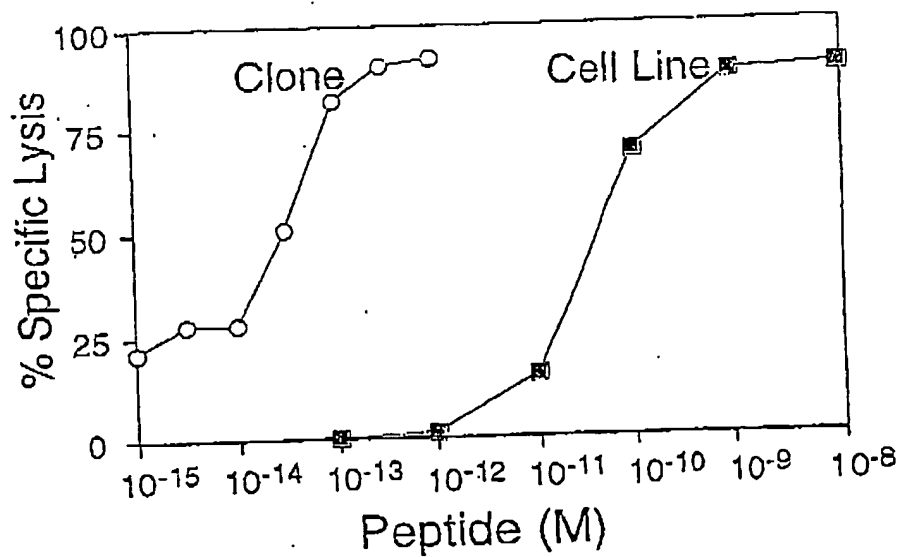


Figure 5C



App No.: 09/761,534
 lc: In Vivo CTL Elicitation by Heat Shock
 inventors: Qian Huang, *et al.*

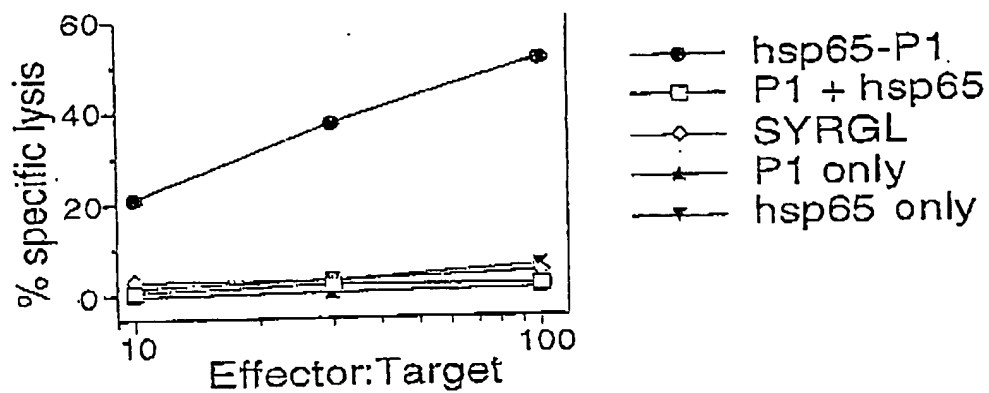


Figure 6A

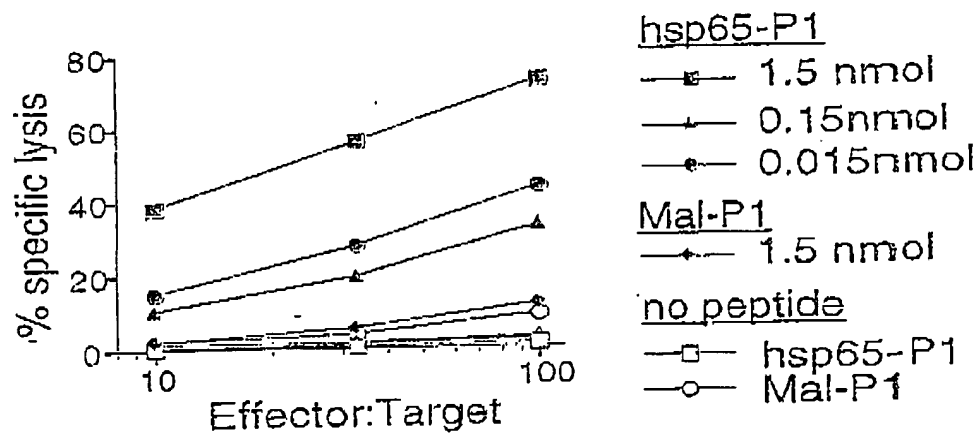


Figure 6B

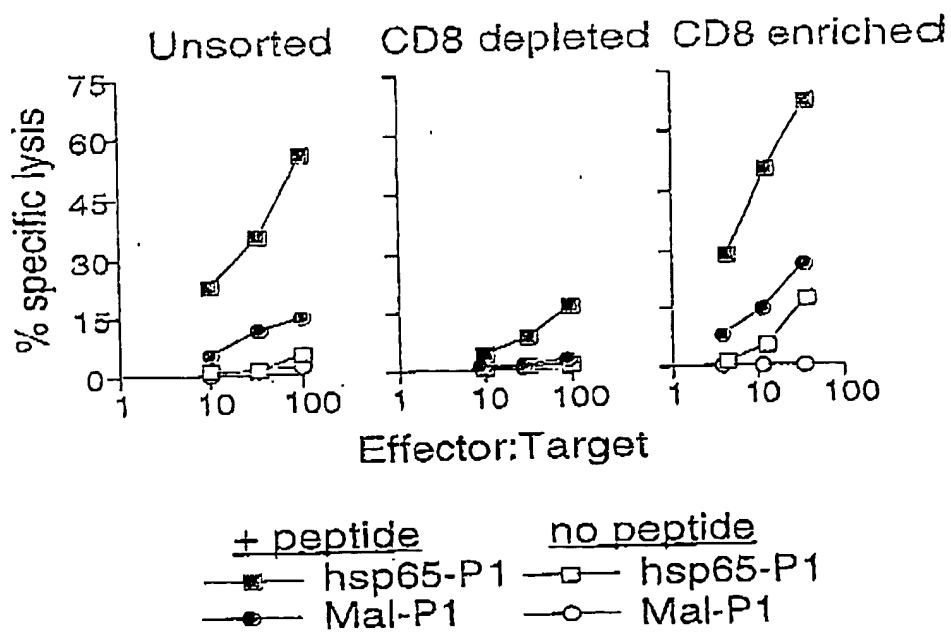


Figure 6C

App No.: 09/761,534
Title: In Vivo CTL Elicitation by Heat SI Protein.
Inventors: Qian Huang, *et al.*

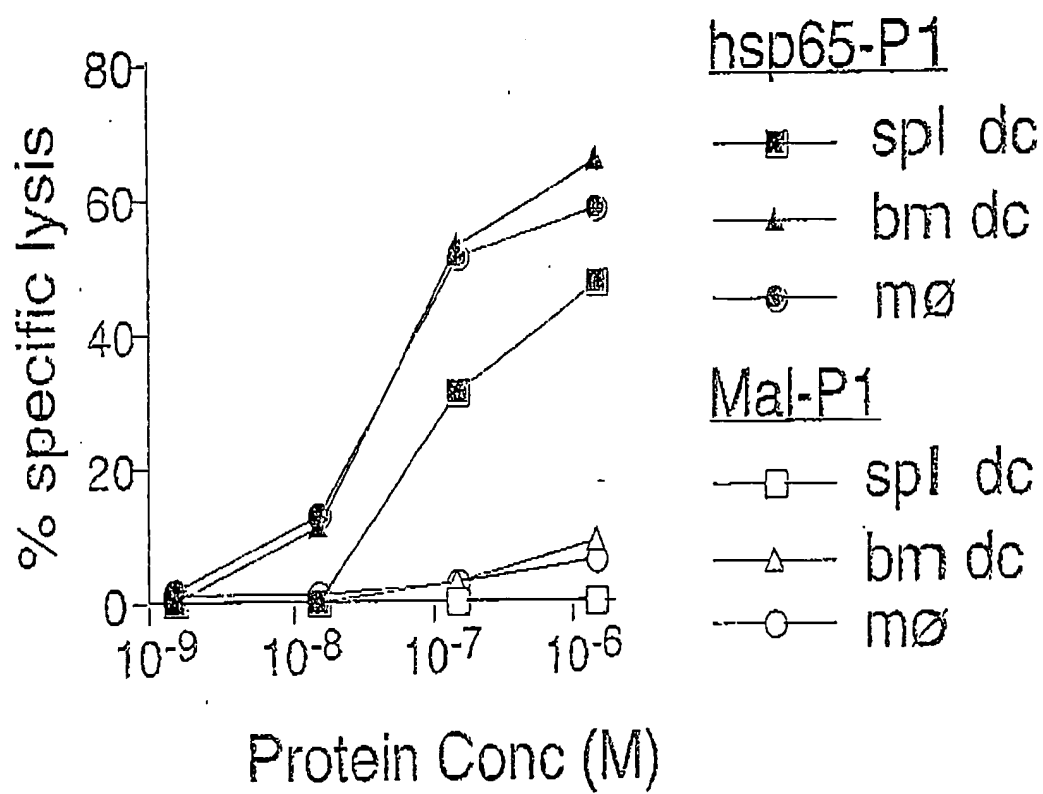


Figure 7

Apn No.: 09/761,534
 T In Vivo CTL Elicitation by Heat Shock Pr ...
 Inventors: Qian Huang, *et al.*

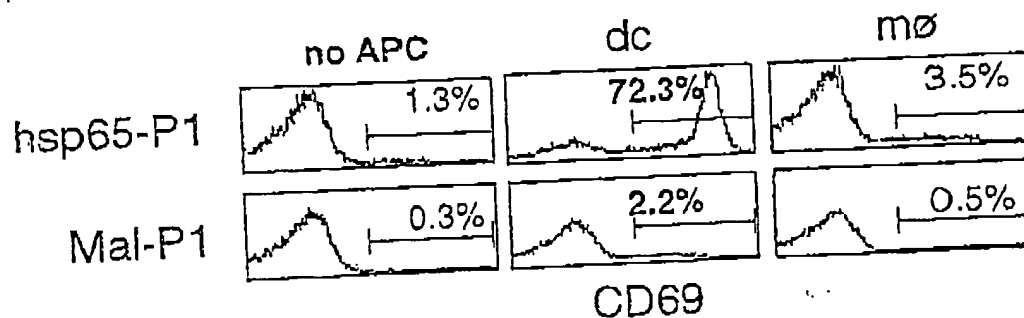


Figure 8A

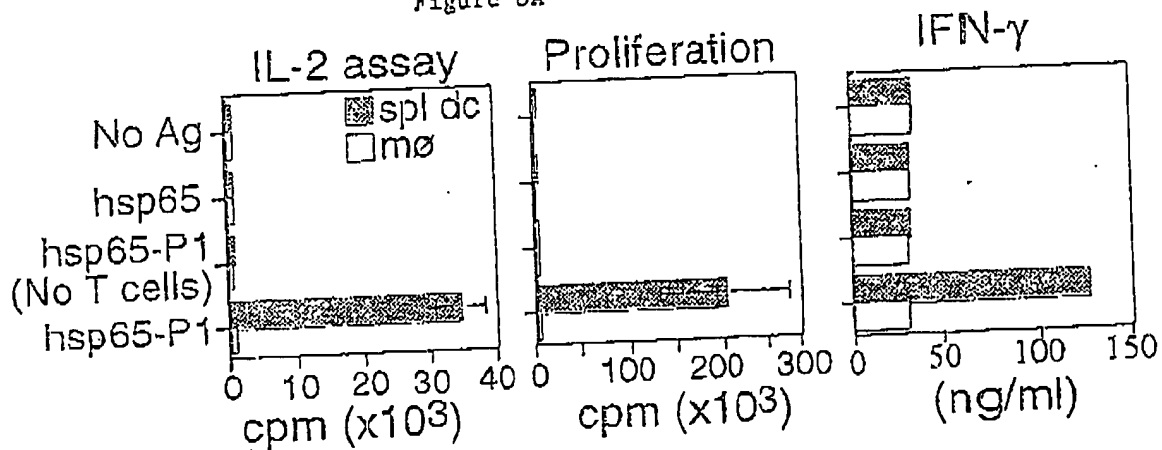


Figure 8B

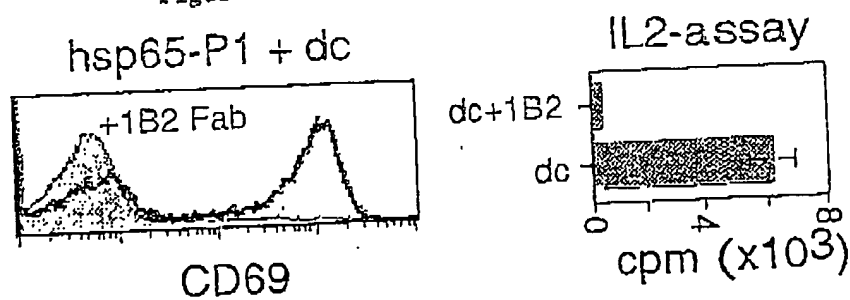


Figure 8C

App No.: 09/761,534
 Title: In Vivo CTL Elicitation by Heat Shock Protein.
 Inventors: Qian Huang, et al.

Figure 9A

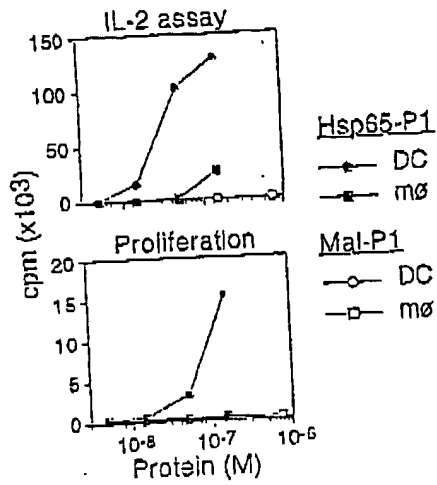


Figure 9B

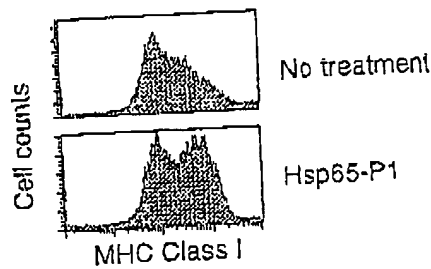
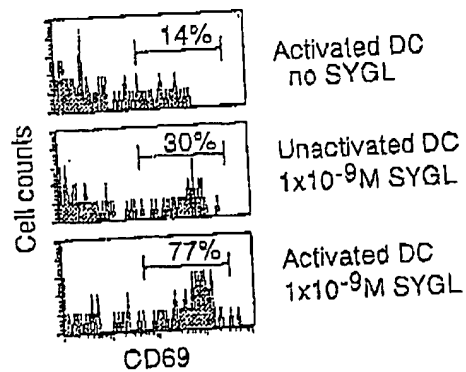
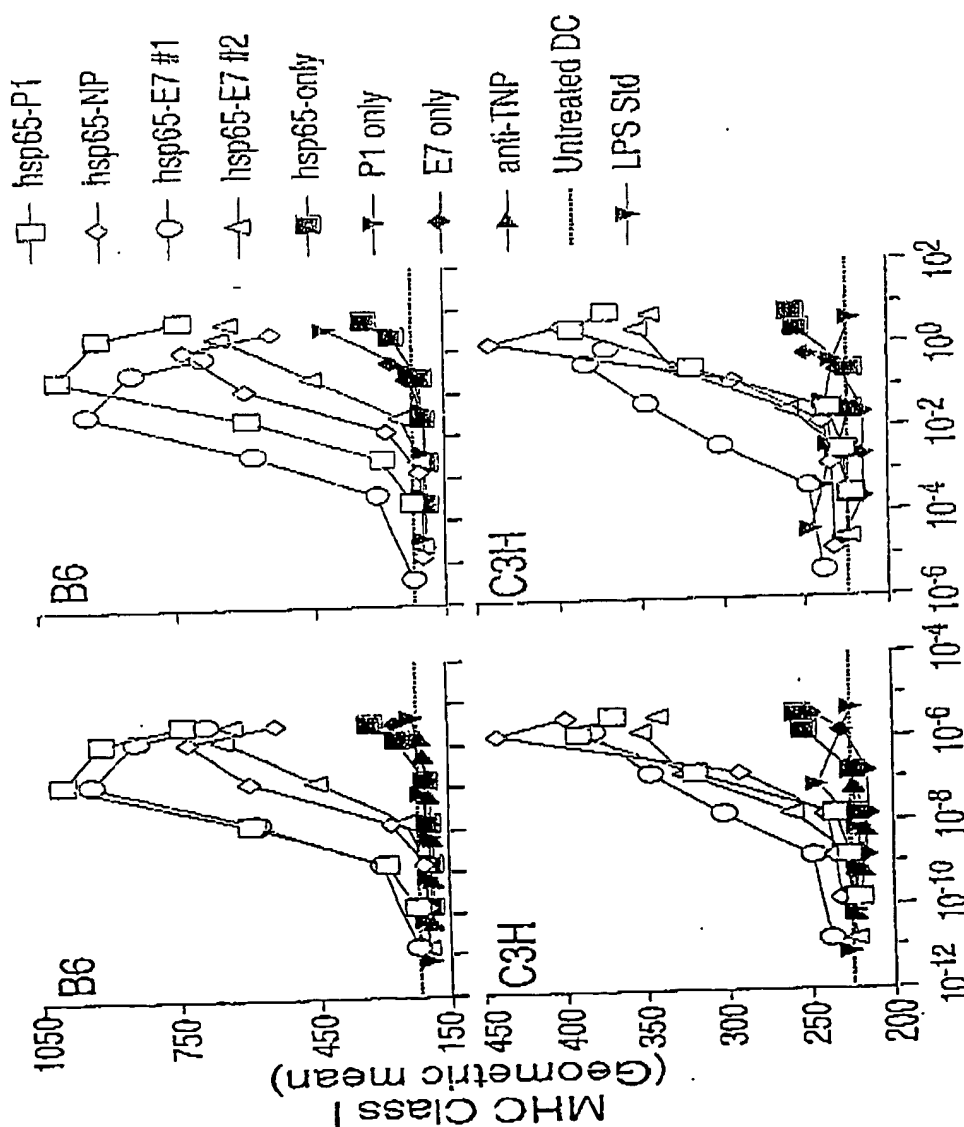
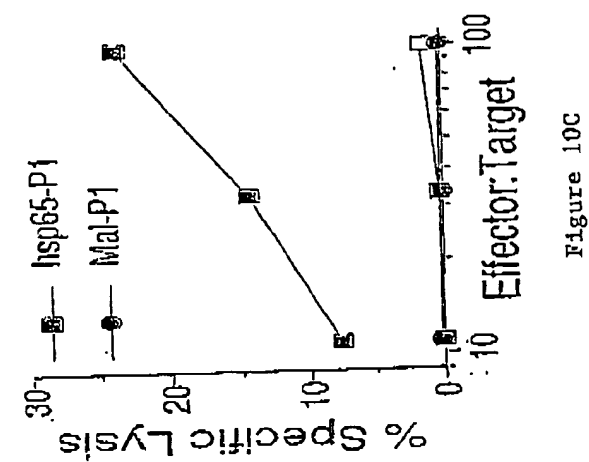


Figure 9C



No.: 09/761,534
 Title: In Vivo CTL Elicitation by Heat Shock
 Inventors: Qian Huang, et al.



No.: 09/761,534
 In Vivo CTL Elicitation by Heat Shock P. ...
 Inventors: Qian Huang, et al.

ATG GCT CGT GCG GTC GGG ATC GAC CTC GGG ACC ACC AAC TCC GTC GTC TCG GTT CTG GAA
 GGT GGC GAC CCG GTC GTC GTC GCC AAC TCC GAG GGC TCC AGG ACC ACC CCG TCA ATT GTC
 GCG TTC GCC CGC AAC GGT GAG GTG CTC GGC CAG CCC GCC AAG AAC CAG GCA GTG ACC
 AAC GTC GAT CGC ACC GTG CGC TCG GTC AAG CGA CAC ATG GGC AGC GAC TGG TCC ATA GAG
 ATT GAC GGC AAG AAA TAC ACC GCG CCG GAG ATC AGC GCC CGC ATT CTG ATG AAG CTG AAG
 CGC GAC GCC GAG GCC TAC CTC GGT GAG GAC ATT ACC GAC GCG GGT ATC ACG ACG CCC GCC
 TAC TTC AAT GAC GCC CAG CGT CAG GCC ACC AAG GAC GCC GGC CAG ATC GCC GGC CTC AAC
 GTG CTG CCG ATC GTC APC GAG CCG ACC GCG GCC GCG CTG GCC TAC GGC CTC GAC AAG GGC
 GAG AAG GAG CAG CGA ATC CTG GTC TTC GAG TTG GGT GGT GGC ACT TTC GAC GTT TCC CTG
 CTC GAG ATC GGC GAG GGT GTG GTT GAG GTG CCG GCC ACT TCG GGT GAC AAC CAG CTC GGC
 GGC GAC GAC TGG GAG CCG CGC CTC GTC GAT TCG CTC GTG GAC AAG TTC AAG GGC ACC AGC
 GGC ATG GAT CTG ACC AAG GAG AAG ATG GGC AAG CAG CGC CTG GGC GAA GCC GGC GAG AAG
 GCA AAG ATC GAG GTC AGT TCG AGT GAG TCC ACC TCG ATC AAC CTG CCC TAC ATC ACC GTC
 GAC GGC GAC AAG AAC CCG TTG TTC TTA GAG GAG CAG CTG ACC CCG GGC GAG TTC GAT GGC
 ATC ACT CAG GAC GTC CTG GAC CCG ACT CCG AAG CCG TTG CAG TCG GTG ATC GGT GAC ACC
 GGC ATT TCG GTG TCG GAG ATC GAT CAC GTT GTG CTC GTG GGT GGT TCG ACC GGC ATG CCG
 GGC GTG ACC GAT CTG GTC AAG GAA CTC ACC GGC GGC AAG GAA GCC AAC AAG GGC GTC AAG
 GGC GAT GAG GTT GTC GCG GTG GGA GCG GCT CTG CAG GGC GGC GTC CTC AAG GGC GAG GTG
 AAA GAC GTT CTG CTC CTT GAT GTT ACC CCG CTG AGC CTG GGT ATC GAG ACC AAG GGC GAG GTT
 GTG ATG ACC AGC CTC ATC GAG CGC AAC ACC ACG ATC CCC ACC AAG CCG TCG GAG ACT TTC
 ACC ACC GCC GAC GAC AAC CAA CCG TCG GTG CAG ATC CAG GTC TAT CAG GGC GAG CGT GAG

Figure 11

GAG AAG GAG CAG CGA ATC CTG GTC TTC GAC TTG GGT GGT GGC ACT TTC GAC GTT TCC CTG
 CTG GAG ATC GGC GAG GGT GTG GTT GAG GTC CGT GCC ACT TCG GGT GAC AAC CAC CTC GGC
 GGC GAC GAC TGG GAC CAG CCG GTC GTC GAT TGG CTG GTG GAC AAG TTC AAG GGC ACC AGC
 GGC ATG GAT CTG ACC AAG GAC AAG ATG GCG ATG CAG CCG CTG CCG GAA GCC GGC GAG AAG
 GCA AAG ATC GAG CTG AGT TCG AGT CAG TCC ACC TCG ATC AAC CTG CCC TAC ATC ACC GTC
 GAC GCC GAC AAG AAC CCG TTG TTC TTA GAC GAG CAG CTG ACC CCG GCG GAG TTC CAA CCG
 ATC ACT CAG GAC CTG CTG GAC CCG ACT CCG AAG CCG TTC CAG TCG GTG ATC GGT GAC ACC
 GGC ATT TCG GTG TCG GAG ATC GAT CAC GTT GTG CTC GTG GGT GGT TCG ACC CCG ATG CCC
 GCG GTG ACC GAT CTG GTC AAG GAA CTC ACC GGC GGC AAG GAA CCC AAC AAG GGC GTC AAC
 CCC GAT GAG GTT GTC GCG GTG GGA GCC GCT CTG CAG GCC GGC GTC CTC AAG GGC GAG GTG
 AAA GAC GTT CTG CTC CTT GAT GTT ACC CCG

Figure 12

App No.: 09/761,534
 Title: In Vivo CTR Elicitation by Heat Shock P
 Inventors: Qian Huang, et al.

ATG GCC AAG AAC ACG GCG ATC GGC ATC GAC CTG GGC ACC ACC TAC TCG TGC GTG GGC GTG
TTC CAG CAC GGC AAG GTG GAG ATC ATC GCC AAC GAC CAG GGC AAC CGC ACC CCC AGC
TAC GTG GCC TTC ACC GAC ACC GAG CGC CTC ATC GGG GAC GCC AAC AAC CAG GTG GCG
CTG AAC CCG CAG AAC ACC GTG TTC GAC GCG AAG CGG CTG ATC GGC CGC AAG TTC GGC GAT
GCG GTG GTG CAG TCC GAC ATG AAG CAC TGG CCC TTC CAG GTG GTG AAC GAC GGC GAC AAG
CCC AAG GTG CAG GTG AAC TAC AAG GGC GAG AGC CGG TCG TTC TTC CCG GAG GAG ATC TCG
TCC ATG GTG CTG ACG AAG ATG AAG GAG ATC GCT GAG GCG TAC CTG GGC CAC CCG GTG ACC
AAC GCG GTG ATC ACG GTG CCC GCC TAC TTC AAC GAC TCT CAG CGG CAG GCC ACC AAG GAC
GCG GGC GTG ATC GCC GGT CTA AAC GTG CTG CGG ATC ATC AAC GAG CCC ACG GCG GCC GCC
ATC GCC TAC GGG CTG GAC CGG ACC GGC AAG GGC GAG CGG AAC GTG CTG ATC TTC GAG CTG
GGG GGC GGC ACG TTC CAC GTG CTG ATC CTG ACG ATC GAC GAC GGC ATC TTC GAG GTG AAG
GGC ACG GGC GGC GAG AAC CAC CTC GAT GCG GAG GAC TTC GAC AAC CGG CTG GTG AAG GAC
TTC GTG GAG GAG TTC AAG ACG AAG CAC AAG AAG GAG ATC ACG CAG AAG AAG GCG GCG GTG
CGG CGG CAG GCG ACG GCG TGT GAG ACG GCG AAG ACG ACG CTG TCG TCC ACG ACG CAG GCG
AAG CTG GAG ATC GAC TCT CTG CTC GAG GCG ATC GAC TTC TAC ACA TTC ATC AAG GCG GCG
GGG TTC GAG GAG CTG TCG TCG GAG CTG TTC GCG GCG AAG CAG GAG CCG GTG GAG AAG GCG
TTC GCG GAC GCG AAG ATG GAG AAG GCG CAG ATC CAG GAC CTG GTG CTG GTG GCG GCG TCG
ACG CCG ATC CCG AAG GTG CAG AAG CTG CAG CAG GAC TTC TTC AAC GCG GCG GAG GCG GCG
AAG ACG ATC AAG CCG GAG GAG GCG GTG GCG TAC GCG GCG GCG GTG CAG GCG GCG GCG CTG TCG
ATG GCG GAG AAG TCG GAG AAC GTG CAG GAG CTG CTG CTG GAG GTG GCG GCG GCG GCG CTG TCG
CTG GCG CTG GAG ACT GCG GCG GCG GTG ATG ACG GCG CTC ATC AAG CCG AAC TCC ACC ATC
CCC ACC AAG CAG ACG CAG ACC TTC ACC TAC TCG GAC AAC CAG CCC GCG GTG CTG ATC

Figure 13A

Figure 13A

CAG	GTG	TAC	GAG	GGC	GAG	AGG	GCC	ATG	ACG	CGC	GAC	AAC	AAC	CTG	CTG	GGG	CGC	TTC	GAG
CTG	AGC	GGC	ATC	CCG	CCG	GCG	CCC	AGG	GGC	GTC	CCG	CAG	ATC	GAG	GTG	ACC	TTC	GAC	ATC
GAC	GCC	AAC	GGC	ATC	CTG	AAC	GTC	ACG	GCC	ACC	GAC	AAG	AGC	ACC	GGC	AAG	GCC	AAC	AAG
ATC	ACC	ATC	ACC	AAC	GAC	AAG	GGC	CGC	CTG	AGC	AAG	GAG	GAG	ATC	GAG	CGC	ATG	GTG	CAG
GAG	GCC	GAG	CGC	TAC	AAG	GCC	GAG	GAC	GAG	GTG	CAG	CGC	GAC	AGG	GTG	CGG	GCC	AAG	AAC
GCG	CTC	GAG	TCC	TAT	GCC	TTC	AAC	ATG	AAG	AGC	GCC	GTG	GAG	GAC	GAG	GGT	CTC	AAG	GGC
AAG	CTC	AGC	GAG	GCT	GAC	AAG	AAG	AAG	GTC	CTG	GAC	AAG	TGC	CAG	GAG	GTC	ATC	TCC	TGG
CTG	GAC	TCC	AAC	ACG	CTG	GCC	GAC	AAG	GAG	GAG	TTC	GTG	CAC	AAG	CGG	GAG	GAG	CTG	GAG
CGG	GTG	TGC	AGC	CCC	ATC	ATC	AGT	GGG	CTG	TAC	CAG	GGT	GCG	GGT	GCT	CCT	GGG	GCT	GGG
GGC	TTC	GGG	CCG	CAG	GCG	CCG	CCG	AAA	GGA	GCC	TCT	GGC	TCA	GGA	CCC	ACC	ATC	GAG	GAG
GTG	GAT	TAG																	

Figure 13B

Figure 13B

GTG GAT TAG

Figure 13B

GGG	GGC	GGC	ACG	TTC	GAC	GTG	TCC	ATC	ATG	GGC	GAG	CGC	AAC	GTG	CTC	ATC	TTC	GAC	CTG
GCC	ACG	GCG	GCC	GAC	ACG	CAC	CTG	GGA	GGG	GAG	GAC	TTC	GAC	GGC	ATC	TTC	GAG	GTG	AAG
TTC	GTG	GAG	GAG	TTC	AAG	AGG	AAG	CAC	AAG	AAG	GAC	ATC	AGC	CAG	AAC	AAG	CGC	GCG	GTG
CGG	CGG	CTG	CGC	ACG	GCG	TGT	GAG	AGG	GCC	AAG	AGG	ACG	CTG	TCG	TCC	AGC	ACC	CAG	GCC
AGC	CTG	GAG	ATC	GAC	TCT	CTG	TTC	GAG	GGC	ATC	GAC	TTC	TAC	ACA	TCC	ATC	ACG	GAG	AAG
CGG	TTC	GAA	GAG	CTG	TGC	TCG	GAC	CTG	TTC	CGC	GGG	ACG	CTG	GAG	CCC	GTG	GAG	AAG	GCG
CTG	CGC	GAC	GCC	AAG	ATG	GAC	AAG	GCC	CAG	ATC	CAC	GAC	CTG	GTG	CTG	GTG	GGC	GGC	TCG
ACG	CGC	ATC	CCC	AAG	GTG	CAG	AAG	CTG	CTG	CAG	GAC	TTC	TTC	AAC	GGG	CGC	GAC	CTG	AAC
AAG	AGC	ATC	AAC	CCG	GAC	GAG	GCG	GTG	GCC	TAC	GGG	GCG	GCG	GTG	CAG	GCG	GCC	ATC	CTG
ATG	GGG	GAC	AAG	TCG	GAG	AAC	GTG	CAG	GAC	CTG	CTG	CTG	CTG	GAC	GTG	GCG	CCC		

Figure 14